## IN THE CLAIMS:

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1. (Previously Presented) A method for graphics processing, comprising:
receiving node and view data for a graphic object;
building a binary-space-partition tree corresponding to the graphic object, the binary-space-partition tree having up to a predetermined number of at least one shape associated with each leaf;
sorting shapes at each leaf of the binary-space-partition tree; and
outputting the sorted shapes.

2. (Original) The method of claim 1, wherein the shapes are sorted into a substantially back-to-front order.

3. Original) The method of claim 1, further comprising caching the shape data.

4. (Original) The method of claim 1, further comprising traversing the binary-space-partition tree.

5. (Original) The method of claim 1, wherein the shapes are triangles.

6. (Original) The method of claim 1, wherein a configuration component is used, the configuration component balancing the resolution of the binary-space-partition tree against the sorting shapes at each leaf.

7. (Original) The method of claim 3, wherein a configuration component is used, the configuration component balancing resource usage against accuracy in the resolution of the caching.

8-10. (Cancelled)

11. (Previously Presented) A data processing system having at least a processor and accessible memory, comprising:
means for receiving node and view data for a graphic object;
means for building a binary-space-partition tree corresponding to the graphic object, the binary-space-partition tree having up to a predetermined number of at least one shape associated with each leaf;
means for sorting shapes at each leaf of the binary-space-partition tree; and
means for outputting the sorted shapes.

12. (Original) The data processing system of claim 11, wherein the shapes are sorted into a substantially back-to-front order.

13. (Original) The data processing system of claim 11, further comprising means for caching the shape data.

14. (Original) The data processing system of claim 11, further comprising means for traversing the binary-space-partition tree.

15. (Original) The data processing system of claim 11, wherein the shapes are triangles.

16. (Original) The data processing system of claim 11, wherein a configuration component is used, the configuration component balancing the resolution of the binary-space-partition tree against the sorting shapes at each leaf.

17. (Original) The data processing system of claim 13, wherein a configuration component is used, the configuration component balancing resource usage against accuracy in the resolution of the caching.

18-20. (Cancelled)

21. (Previously Presented) A computer program product tangibly embodied in a machine-readable medium, comprising:

instructions for receiving node and view data for a graphic object;

instructions for building a binary-space-partition tree corresponding to the graphic object, the binary-space-partition tree having up to a predetermined number of at least one shape associated with each leaf;

instructions for sorting shapes at each leaf of the binary-space-partition tree; and

instructions for outputting the sorted shapes.

22. (Original) The computer program product of claim 21, wherein the shapes are sorted into a substantially back-to-front order.

23. Original) The computer program product of claim 21, further comprising instructions for caching the shape data.

24. (Previously Presented) The computer program product of claim 21, further comprising instructions for traversing the binary-space-partition tree.

25. (Original) The computer program product of claim 21, wherein the shapes are triangles.

26. (Original) The computer program product of claim 21, wherein a configuration component is used, the configuration component balancing the resolution of the binary-space-partition tree against the sorting shapes at each leaf.

27. (Original) The computer program product of claim 23, wherein a configuration component is used, the configuration component balancing resource usage against accuracy in the resolution of the caching.

28-30. (Cancelled)